(FILE 'HOME' ENTERED AT 07:55:04 ON 24 MAR 2003)

FILE 'MEDLINE, BIOSIS, CAPLUS, EMBASE, CANCERLIT' ENTERED AT 07:55:15 ON 24 MAR 2003

L1 2945 S VOLTAGE GATED POTASSIUM

L2 9007 S SHAKER

L3 4371848 S MAMMAL?

L4

108 S L1 AND L2 AND L3

L5 66 DUP REM L4 (42 DUPLICATES REMOVED)



L Number	Hits	Search Text	DB	Time stamp
1	2	("20020119476").PN.	USPAT;	2003/03/24 07:43
'	-	(20020117470).111.	US-PGPUB;	2000/00/210/19
		·	EPO; JPO;	
			DERWENT	
_	2	(110522.05011) DNI	i e	2002/02/24 07:42
2	2	("9523858").PN.	USPAT;	2003/03/24 07:43
			US-PGPUB;	
			EPO; JPO;	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DERWENT	2002/02/24 07 44
3	0	("95023858").PN.	USPAT;	2003/03/24 07:44
			US-PGPUB;	
			EPO; JPO;	
1			DERWENT	
4	1	("5559009").PN.	USPAT	2003/03/24 08:01
5	2925	potassium adj channel	USPAT;	2003/03/24 08:01
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
6	29590	shaker	USPAT;	2003/03/24 08:02
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
7	96	(potassium adj channel) with shaker	USPAT;	2003/03/24 08:02
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
8	32	((potassium adj channel) with shaker) and mammal	USPAT;	2003/03/24 08:02
	-	((potaborani asj trianite) viin siinte) and iintend	US-PGPUB;	
li			EPO; JPO;	
			DERWENT	
9	88	((potassium adj channel) with shaker) and mammal\$	USPAT;	2003/03/24 08:02
'	00	((potassian) adj channer) with shaker) and manimals	US-PGPUB;	2003/03/24 00:02
			EPO; JPO;	
			DERWENT	
10	86	padigaru.in.	USPAT;	2003/03/24 08:03
10	80	paulgaru.m.	US-PGPUB;	2003/03/24 06.03
			EPO; JPO;	
, ,	256	Lyamat in	DERWENT USPAT:	2002/02/24 09.02
11	236	vernet.in.	,	2003/03/24 08:03
			US-PGPUB;	
			EPO; JPO;	
,,	126		DERWENT	2002/02/24 00 02
12	136	shimkets.in.	USPAT;	2003/03/24 08:03
[US-PGPUB;	
			EPO; JPO;	
, ,			DERWENT	2002/02/21 22 22
13	76	spaderna.in.	USPAT;	2003/03/24 08:03
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
14	31	majumder.in.	USPAT;	2003/03/24 08:03
			US-PGPUB;	
			EPO; JPO;	
ļ		·	DERWENT	
15	431	padigaru.in. or vernet.in. or shimkets.in. or spaderna.in. or majumder.in.	USPAT;	2003/03/24 08:04
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
16	0	(padigaru.in. or vernet.in. or shimkets.in. or spaderna.in. or majumder.in.)	USPAT;	2003/03/24 08:04
ļ		and (((potassium adj channel) with shaker) and mammal\$)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	



17	49	(padigaru.in. or vernet.in. or shimkets.in. or spaderna.in. or majumder.in.)	USPAT;	2003/03/24 08:04
		and channel	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
18	3	(potassium adj channel) and (padigaru.in. or vernet.in. or shimkets.in. or	USPAT;	2003/03/24 08:04
		spaderna.in. or majumder.in.)	US-PGPUB;	
		,	EPO; JPO;	
			DERWENT	

1: AI324179. mh83g06.x1 Soares...[gi:4058608]

Links

IDENTIFIERS

dbEST Id: EST name:

2107739 mh83g06.x1 AI324179 4058608

GenBank Acc: GenBank qi:

CLONE INFO

Clone Id:

IMAGE:457594 (3')

Source: IMAGE Consortium, LLNL

DNA type: **cDNA**

PRIMERS

PolyA Tail: Unknown

SEQUENCE

TCCTCCGCAGCCGCCAGCCGCCGCCCAGCCCGTAGAAGGACACCTCCTCCAGG TAGAAGCGGCTGCGGCGCACCGGGTCCCCCAGCAGCGTGTCCGGGAAGCGGCCGAGCGTG CGCGCGCGGGTCTCGAAGCGCAACCCGGCCACGTTGAGCACCAGCCGCTCGCAGCAGCCG CAGGGCGGCGGCACCGTGGCTCCATGGCGCGCACAGCCCGGGCGACCGGTGAACGGACG TGTGGCCCCGACGCCGCACCCCAGTCGGGTGTCCGGTGTCGGCGGGTAAAAATAGC

ATGGAAAGTCCGGCCAGGGCGCGGTGGAGGGGGGGGGGTGTTACCCCCGC

Quality:

High quality sequence stops at base: 453

Entry Created: Last Updated:

Dec 23 1998 Dec 23 1998

COMMENTS

This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further

information. MGI:274482

This clone was previously sequenced on the 5' end only, this

new data is from the 3' end

PUTATIVE ID

Assigned by submitter

gb:X17622 cds1 POTASSIUM CHANNEL PROTEIN KV1.6 (HUMAN); gb:Y00305 Mouse MBK1 mRNA for mouse brain potassium channel

(MOUSE);

LIBRARY

Lib Name:

Soares mouse placenta 4NbMP13.5 14.5

Organism:

Mus musculus C57BL/6J

Strain: Sex:

unknown

Organ: Tissue type:

placenta placenta

Develop. stage: adult Lab host:

DH10B

Vector:

pT7T3D-Pac (Pharmacia) with a modified polylinker

R. Site 1:

Not I

R. Site 2:

Eco RI

Description:

1st strand cDNA was primed with a Not I - oligo(dT) primer

ا 5 آ

Bento Soares and M. Fatima Bonaldo.

SUBMITTER

Name: Marra M/Mouse EST Project Lab: WashU-HHMI Mouse EST Project

Institution:

Washington University School of MedicineP

Address:

4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108

Tel: Fax: 314 286 1800 314 286 1810

E-mail:

mouseest@watson.wustl.edu

CITATIONS

Title:

The WashU-HHMI Mouse EST Project

Authors:

Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M., Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B., Theising,B., Wylie,T., Lennon,G., Soares,B.,

Wilson, R., Waterston, R.

Year:

1996

Status:

Unpublished

MAP DATA

Revised: July 5, 2002.

Disclaimer | Write to the Help Desk NCBI | NLM | NIH

OM nucleic

on:

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BQ714749 AGENCOURT

BQ714749 AGENCOURT

AL275647 TETRACOON

AL275647 TETRACOON

AL275647 TETRACOON

BM924998 AGENCOURT

BM924998 AGENCOURT

AL332201 TETRACOON

AL332201 TETRACOON

BM924998 AGENCOURT

AL332201 TETRACOON

BC973314 602841921

AL198511 TETRACOON

BE666693 150296 MA

BE117089 602867882

B1117089 602867882

B0807519 NISC_KKOS

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BQ938497 AGENCOURT
BB012634 BB612634
AL239205 Tetraodon
AL843701 AL843701
AL844004 AL844004
AL015668 F. rubripe
AL015869 Tetraodon
AL28890 Tetraodon
AL32913 Danio rer
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Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 468)

Marra M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Grisel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M., Schellenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B., Theising, B., Wylle, T., Lennon, G., Soares, B., Wilson, R. and
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A1324179

A1324174

M183965.x1 Soares mouse placenta 4NbMP13.5 14.5 Mus musculus cDNA clone IMAGE:457594 3' similar to gp.x17622_cds1 POTASSIUM CHANNEL PROTEIN KVI.6 (HUMAN): gb:r00305 Mouse MBK1 mRNA for mouse brain potassium channel (MOUSE);, mRNA sequence.
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DEFINITION
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Copyright (c) 1993 - 2003 Compugen Ltd.
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Program for Rat Gene Discovery and Mapping
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                                                                                                                                                                                                                                                                                                                                                                                                                          T 3'); double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization, and was constructed by Bento Soares and M.Fatima Bonaldo."
                                                                                                                                                                                                                                                                                                                               /note="Organ: placenta; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; Ist strand cDNA was primed with a Not I - oligo(dT) primer [5,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BI295790 687 bp -mRNA linear EST 19-JUL-2001
UI-R-DKO-cfa-f-09-0-UI.sl UI-R-DKO Rattus norvegicus cDNA clone
UI-R-DKO-cfa-f-09-0-UI 3', mRNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rattus norvegicus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
                                                      This clone was previously sequenced on the 5' end only, this new data is from the 3' end
High quality sequence stop: 453.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 (bases 1 to 687)
Bonaldo,M.F., Lennon,G. and Soares,M.B.
Normalization and subtraction: two approaches to facilitate gene
This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61 CTTCCCGGACACTCTGCTAGGGGACCCAGCGCCGCGGCGGCGCTTCTACGACGACGCGCG 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121 CCGCGAGTATTTCTTCGACCGGCACCGGCCCAGCTTCGACGCCCGTGCTCTACTACTACCA 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  168 CCGCGGGTATTTCTTCGACCGACCGCCCACTTCGATGCGGTGCTCTACTACTACTACCA 109
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                                                                                                                                                                                                                                 /clone_lib="Soares mouse placenta 4NbMP13.5 14.5"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 468;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   85.9%; Score 214.8; DB 9; 91.2%; Pred. No. 2.3e-36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                      /organism="Mus musculus"
                                                                                                                                                                                                                                                                       /tissue_type="placenta"
/dev_stage="adult"
                                                                                                                                                                       /strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="IMAGE:457594"
                                                                                                                                                                                                                                                                                                           /lab_host="DH10B"
                                                                                                                                                                                                                                                     /sex="unknown"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             48 GTCCTTCTAC 39
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                                      MGI:274482
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ORGANISM
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ORIGIN
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BI295790
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Genome Res. 6 (9), 791-806 (1996)

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/dev_stage="ApDLIN"
//dev_stage="ApDLIN"
//dev_stage="ApDLIN"
//lab_host="Vector: pT73D-Pac (Pharmacia) with a modified
//note="Vector: pT73D-Pac (Pharmacia) with a modified
polylinker; Site_1: Not I; Site_2: Eco RI; The UI-R-DKO
library is a subtracted library derived from a mixture of
five individually tagged normalized rat libraries:
brain-nRBP (20%), heart-nRHP (20%), kidney-nRKP (20%),
aorta-nRAP (20%), and placenta-nRPP (20%). Each original
library was constructed from a mixture of equal amounts of
RNA from seven different developmental time-points:
embryonic day 17, adult day 12, adult day 75, and adult day
200. (Exception: the aorta pool contains only the three
ady 17 RNA and the placenta pool contains only the three
embryonic stages). Each library was normalized
individually according to the procedure described by
Bonaldo, Lennon & Soares (Genome Research Genome 6:
791-806, 1996). For construction of the DKO subtracted
library, plasmid DNA from each of the five individually
tagged normalized libraries was mixed in the proportions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          specified above and electroporated into competent bacterial specified above and electroporated into competent bacterial for production of single-stranded circular DNA representing these five normalized libraries circular DNA representing these five normalized libraries was then used as a tracer in a subtractive hybridization with a driver (PCR amplified inserts from a plasmid DNA template preparation) comprising: a) a set of about 1,000 arrayed clones from each of the five non-normalized libraries of brain (CTOS), heart (CSOS), kidney (CUOS), acrta (CWOS), and placente (CXOS). The resulting pool of approximately 5,000 clones represented about 33.3% of the final driver population. A set of about 1,000 arrayed clones from each of the five normalized libraries of brain (CTO), heart (CSO), kidney (CUO), aorta (CWO), and placented about 6,000 clones represented about 6,000 clones
                                                                                                                                                                                       The sequence contained on Oligo-dT track that was present in the coligonuclectide that was used to prime the synthesis of first strand cDNA and therefore this may represent a bonafide poly A tail. The sequence tag present in the cDNA between the Notl site and the oligo-dT track served to identify it as a clone from the normalized rat placenta pool library cDNA Library Preparation: M.B. Soares Lab Clone distribution: clones will be available through elements were found in this cDNA sequence: 1-41,

>AT_ICCH*LOW_COMPLEXITY 45-170, >BI_MM*SINE/Alu 264-317,

Seq primer: M13 Forward
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                             451 Eckstein Medical Research Building Iowa City, IA 52242, USA Tel: 319 315 8750
Fax: 319 335 9565
Email: msoares@blue.weeg.uiowa.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /clone="UI-R-DK0-cfa-f-09-0-UI"
/clone_lib="UI-R-DK0"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="Rattus norvegicus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TAG_TISSUE=rat placenta pool
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /strain="Sprague-Dawley/db_xref="taxon:10116"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Socation/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TAG_SEQ=TCACGACAGT"
217 c 203 q
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90.0%;
University of Iowa
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Best Local Similarity 90.0
Matches 206; Conservative
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